

ABSTRACT OF THE DISCLOSURE

5 A hardware-adaptable data visualization tool for use in
visualizing data from a data source, including: a data source
module, for providing a numerical data set representing aspects
of data to be interpreted; and a viewer module, responsive to
the numerical data, for providing a view of the numerical data
set, such as a fully immersive view or a more limited view,
helpful to a user in interpreting the numerical data set;
wherein the viewer module in turn comprises a set of component
10 modules, and wherein the source module and the viewer component
modules are compiled and linked together into one or more
executable files depending on factors including the performance
capabilities of a predetermined target host or hosts as well as
the desired utility of the executable files, the component
modules having programming interfaces that are substantially
independent of the predetermined target host or hosts.